Title (en)

INTERACTIVE PROPOSAL SYSTEM FOR DETERMINING A SET OF OPERATIONAL PARAMETERS FOR A MACHINE TOOL, CONTROL SYSTEM FOR A MACHINE TOOL, MACHINE TOOL AND METHOD FOR DETERMINING A SET OF OPERATIONAL PARAMETERS

Title (de)

INTERAKTIVES VORSCHLAGSSYSTEM ZUR BESTIMMUNG EINES PARAMETERSATZES FÜR EINE WERKZEUGMASCHINE, STEUERUNGSSYSTEM FÜR EINE WERKZEUGMASCHINE, WERKZEUGMASCHINE UND VERFAHREN ZUR BESTIMMUNG EINES PARAMETERSATZES

Title (fr)

SYSTÈME DE PROPOSITION INTERACTIF POUR DÉTERMINER UN ENSEMBLE DE PARAMÈTRES DE FONCTIONNEMENT POUR UNE MACHINE-OUTIL, SYSTÈME DE COMMANDE POUR UNE MACHINE-OUTIL, MACHINE-OUTIL ET PROCÉDÉ PERMETTANT DE DÉTERMINER UN ENSEMBLE DE PARAMÈTRES DE FONCTIONNEMENT

Publication

EP 4231104 A1 20230823 (EN)

Application

EP 22157845 A 20220221

Priority

EP 22157845 A 20220221

Abstract (en)

An interactive proposal system (34) for determining a set (P) of operational parameters for at least one machine tool (10) is described. The proposal system (34) comprises a parameter determination unit (40) which is configured for determining a set (P) of operational parameters for the performance a job according to a job description (J) received via a first communication interface (36). The set (P) of parameters is determined based on the job description (J), at least one historic job description (HJ), a set of historic operational parameters (HP), a historic operator input (HI), a parameter determination history (HD), and a historic result assessment (HA). The determined set (P) of operational parameters may be provided to an operator (28) for review, rating and/or correction. Furthermore, a control system (22) for a machine tool (10) is presented, which comprises such a proposal system (34). Additionally, a corresponding machine tool (10), especially a grinding machine, is explained. Moreover, a method for determining a set (P) of operational parameters for performing a job on at least one machine tool (10) is described.

IPC 8 full level

G05B 19/408 (2006.01)

CPC (source: EP)

G05B 19/4083 (2013.01); G05B 2219/33027 (2013.01); G05B 2219/35398 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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Designated validation state (EPC)

KH MA MD TN

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DOCDB simple family (application)

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